DOD XML Registry

Establishing a New COI

5 June 2002

Process for Creating a New Community of Interest (COI)

- Contact SHADE Team
  - http://diides.ncr.disa.mil/shade/feedback.cfm or
  - http://diides.ncr.disa.mil/xmlreg/user/feedback.cfm
- Present case informally to SHADE
  - Describe need and scope
- Pre-Brief case to Namespace Mgrs Forum
  - Discussion and feedback
- Brief case to COE Architectural Oversight Group (AOG)
  - AOG meets first Friday of each month
  - COE Chief Engineer gives 2 weeks for Issues
  - COE Chief Engineer provides notification to COI POC
- COE Chief Engineer provides update to COE Configuration Requirements Control Board (quarterly)

COI Proposal Content

Slides and/or Voice Track

- What COI is being proposed?
- What is the scope of the proposed COI? Provide sample XML.
- How will the proposed COI relate to other existing COIs?
- How will the COI impact C2 or Combat Support Systems?
- What organization will manage the COI?
- Why is the organization being proposed as COI manager the most appropriate group to serve this role? (what is their authority? Is there an alternative to this org?)
- What data does the COI manager produce and/or manage?
- What larger bodies does the org participate in? (e.g., Personnel namespace mgr serves on both OMG and ISO bodies)
- How does the COI mgr intend to provide the “coordination function” within his COI? Is there an existing coordination body that can be leveraged?
- Has the proposed COI mgr POC briefed this proposal to the Namespace Mgrs Forum?
- Is the proposed COI mgr POC prepared to participate in the SSD-MD (bi-monthly meetings) and NSMF (bi-monthly meetings)?

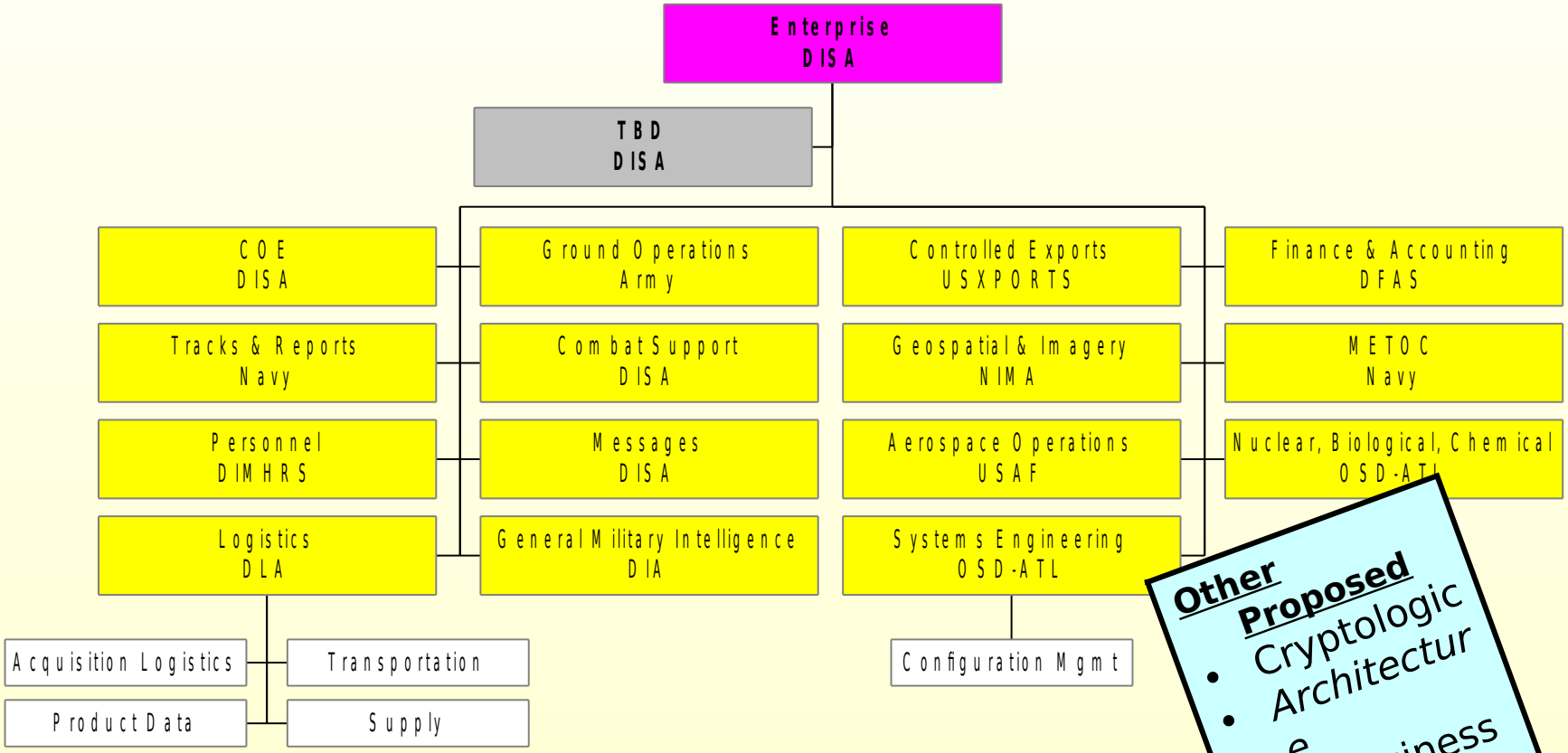
DOD XML Registration Policy

DoD Policy for Registering XML Components.

The Defense Information Systems Agency (DISA) has been designated as the Executive Agent (EA) for establishing, in coordination with DoD Components, the DoD XML Registry and Clearinghouse. To read the Office of the Secretary of Defense Policy for Registration of Extensible Markup Language (XML) in Portable Document Format (PDF) use this URL http://diides.ncr.disa.mil/xmlreg/user/Documents/XML.PDF

DOD XML Registry

Communities of Interest



Formal Process to Establish New COIs

XML Registration Rules

XML Component Registration

- Consult Registry before creating new components and reuse existing XML where practical
- Indicate planned use of XML components by formally subscribing to them
- Register additional XML or recommend modifications

Community of Interest Namespace Formation

- Formed “as required” *when* someone will agree to manage
- Requirements for new Namespaces staffed with:
  - Existing Namespace Managers
  - Senior Service/Agency engineers
  - Flag Level Review Board

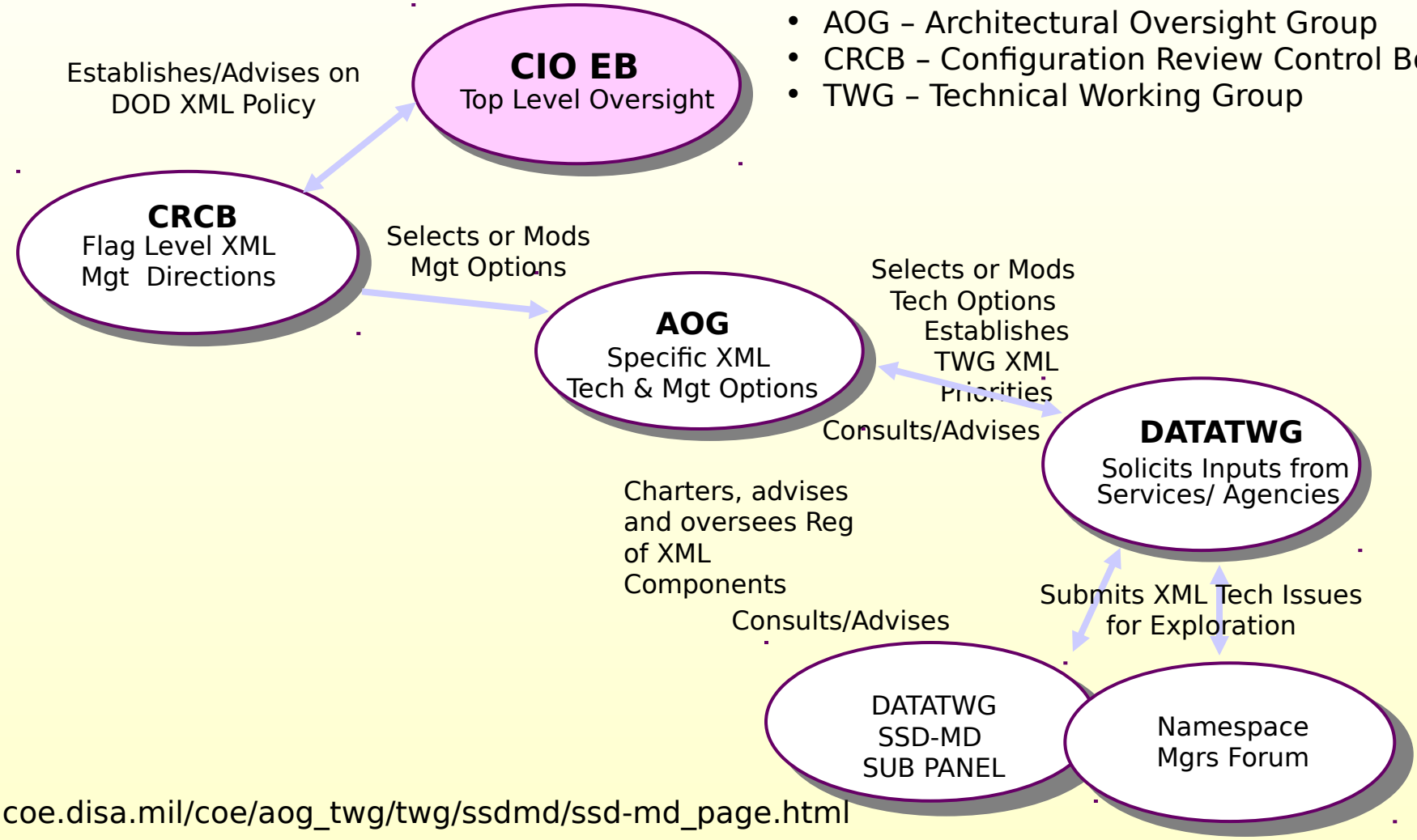
COI Management Tasks

CM for Collections of XML Components

- Coordinate Stakeholders
  - Establish and Run Coordination Venue(s)
  - Resolve Issues within Namespace
  - Coordination across Namespaces (bilateral, multilateral and/or via Namespace Mgrs Forum)
- Oversee Development of XML Documents, schemas, XSL style sheets, etc.
- Submit Information Resource Packages to XML Registry
- Vet Information Resources and Publish Status
- Perform Versioning
- Participate in Namespace Mgrs Forum

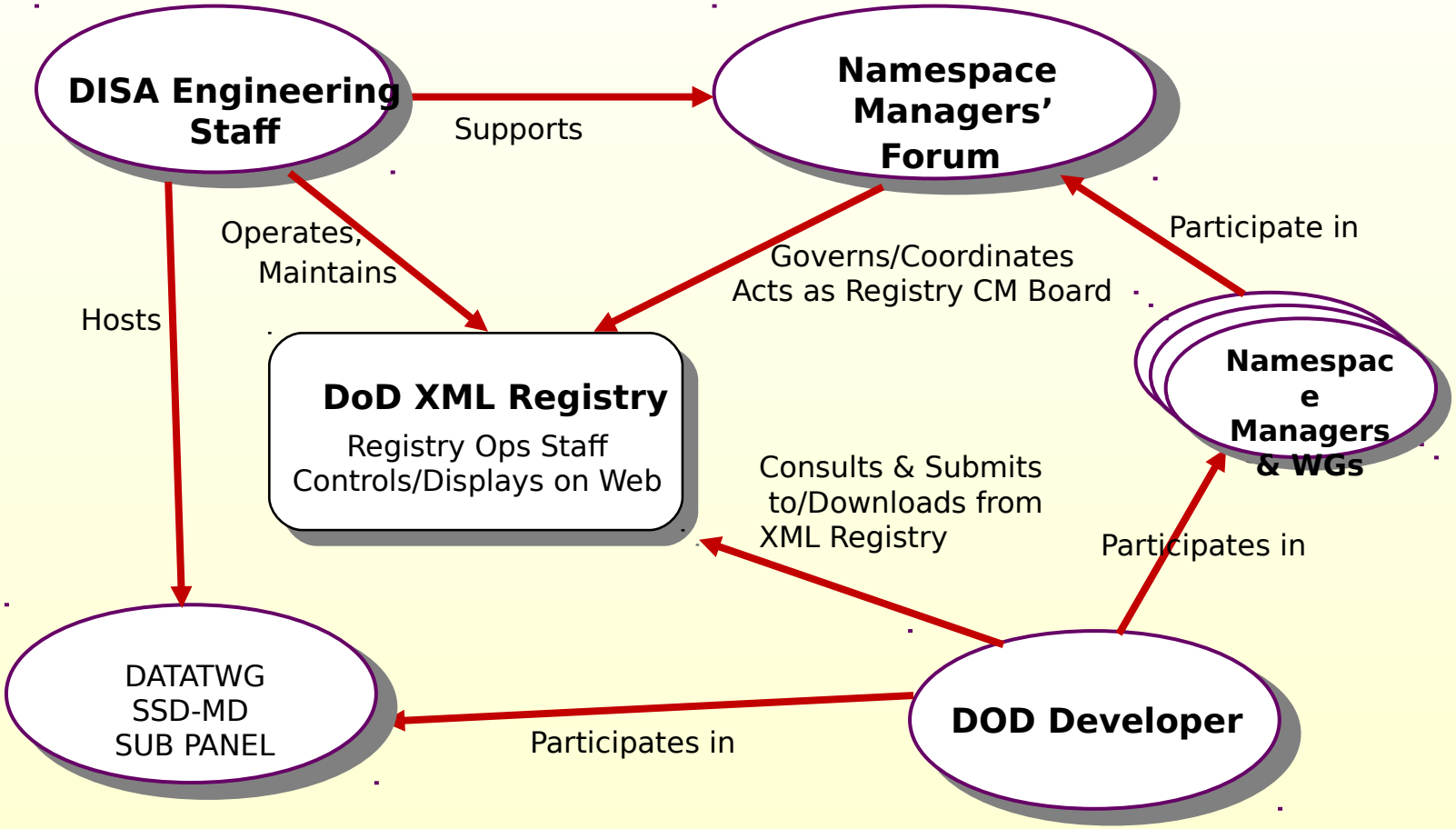
DOD XML Governance
Top-level Oversight

- AOG – Architectural Oversight Group
- CRCB – Configuration Review Control Board
- TWG – Technical Working Group



p://diicoe.disa.mil/coe/aog_twg/twg/ssdmd/ssd-md_page.html

Engineering Involvement



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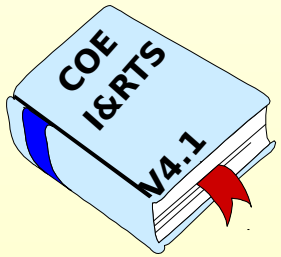
COE XML Guidance
Data/Metadata Compliance

Integration and Runtime Specification (I&RTS)
COE Compliance Levels for XML used as public interfaces

8 "Operational" XML Components from Enterprise COI

7 "Operational" XML Components from COIs

6 Fully documented, registered, valid, well-formed, W3C-compliant XML



DOD XML Registry
Current Inventory

- Documents - 635
- Domain Value Sets - 748
- Submission Packages - 52
- XML Attribute - 938
- XML Element - 14840
- XML Sample - 21
- Schema - 90
- Schema Data Type - 22
- Stylesheets - 4

Current As of 18 Apr 2002

Includes Password-protected Components

Approved COI Proposals

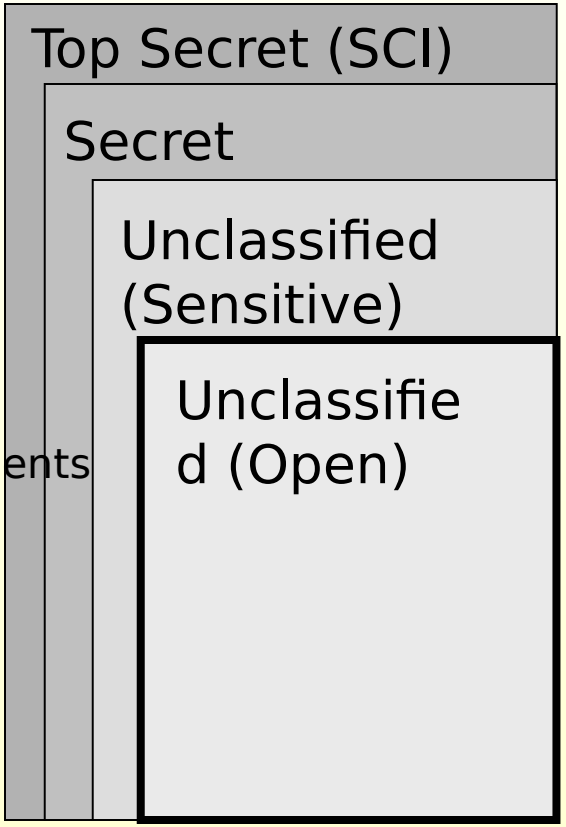
- Nuclear, Biological, Chemical (NBC)
  - http://diicoe.disa.mil/coe/aog_twg/aog/NBCXMLNMFProposalAOG5Apr02.ppt
- Systems Engineering (SEG)
  - http://diicoe.disa.mil/coe/aog_twg/aog/07_AOG_Sept_01_sys_eng_namespace.ppt
- Controlled Exports (CXP)
  - http://diicoe.disa.mil/coe/aog_twg/aog/10_AOG_Sept_01_controlled_exports_namespace.ppt
- Personnel (PER)
  - http://diicoe.disa.mil/coe/aog_twg/aog/may_aog_DIMHRS.ppt
- Finance and Accounting (FIN)
  - http://diicoe.disa.mil/coe/aog_twg/aog/july_aog_dfas.ppt

DoD XML Registry

Synchronized Components on Multiple Networks

- **Unclassified (Open)**
  - NIPRNET w/Internet Access
  - http://diides.ncr.disa.mil/xmlreg
- **Unclassified (Sensitive)**
  - Open Registry contents *plus* "Password Protected" components
  - NIPRNET w/Internet Access, password
  - http://diides.ncr.disa.mil/xmlreg
- **Secret**
  - Unclassified (Sensitive) contents *plus* secret components
  - SIPRNET
  - http://diides.ncr.disa.smil.mil
- **Top Secret (SCI)**
  - Secret contents *plus* SCI components
  - JWICS
  - not yet available

New!



Support for Developers on Multiple Security Domains

DOD XML Registry Coordination

Namespace Managers Forum

NSMF Objectives:

- Propose, review, and implement DoD XML policy
- Develop and promote best practices in XML
- Seek opportunities for convergence
- Define Registry requirements, oversee development and operation
- Determine what metrics to use, analyze and make recommendations to DoD and other policies (I&RTS, JTA)
- Review proposals for additional namespaces and make recommendations to AOG.
- Participate, Respect, and Influence industry, international and coalition metadata (XML) standards

Participation is limited to Namespace Mgrs

DOD Public XML Venue

Semi-Structured Data & Metadata Subpanel (SSD-MD)

- Sponsor (COE DATATWG)
  - Common Operating Environment (COE),
  - Data Access Services Technical Working Group (DATATWG),
  - Semi-Structured Data and Metadata Subpanel (SSD-MD)
- Objectives
  - Develop specifications and/or DTDs
  - Select metadata standards and tools
  - Create DTD repository / distribution mechanism / versioning management
  - Provide guidance for tag terminology
  - Develop “enhanced” XML editors for coded XML docs
  - Develop application interpreters for XML
  - Refere

See DOD XML Registry “Links”